

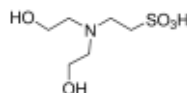
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## Product Specification

Product Name:  
BES - BioPerformance Certified, suitable for cell culture, ≥99.0%

Product Number: **B4554**  
 CAS Number: 10191-18-1  
 MDL: MFCD00007533  
 Formula: C<sub>6</sub>H<sub>15</sub>NO<sub>5</sub>S  
 Formula Weight: 213.25 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
25 g plus 50 ml of H <sub>2</sub> O	
Infrared spectrum	Conforms to Structure
Water (by Karl Fischer)	≤ 0.5 %
A290 UV absorbance	≤ 0.05
33% W/W	
Heavy Metals (as Lead)	< = 5 ppm
Purity (Titr. by NaOH) anhyd.	≥ 99.0 %
DNAse, Exonuclease Detection	None Detected
NICKase, Endonuclease Detection	None Detected
RNAse Detection	None Detected
Protease Detection	None Detected
Endotoxin Level	≤ 0.1 EU/mg
Total Aerobic Microbial Count	≤ 100 CFU/g
Cell Culture Test	Pass
Recommended Retest Period	-----
5 years	

Specification: PRD.1.ZQ5.10000040342

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

